

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004514

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 G01C21/36		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01C G08G		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EP0-Internal, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 385 223 A (E-LEAD ELECTRONIC CO LTD) 13 August 2003 (2003-08-13) abstract figures 1,2,3A,3B page 4, line 18 - page 8, line 16 page 10, line 19 - page 11, line 5 -----	1-16
X	EP 1 262 936 A1 (TRAFFICMASTER PLC) 4 December 2002 (2002-12-04) cited in the application abstract; figure 1 paragraphs [0006], [0009] paragraph [0012] - paragraph [0015] claims 14,28 ----- -/--	1-7, 9-12, 14-16
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "Z" document member of the same patent family		
Date of the actual completion of the international search 26 January 2005		Date of mailing of the international search report 06.04.05
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Santos, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 827 125 A2 (AISIN AW CO., LTD) 4 March 1998 (1998-03-04) abstract figures 1,8A,8B column 1, line 14 - column 2, line 9 column 3, line 18 - column 4, line 47 -----	1-7, 10-15
A	US 5 422 812 A (KNOLL ET AL.) 6 June 1995 (1995-06-06) abstract figures 8,11-13 column 6, line 36 - column 7, line 10 -----	2-7, 10-13
A	EP 0 875 729 A2 (PIONEER ELECTRONIC CORPORATION) 4 November 1998 (1998-11-04) abstract; figures 1,5,7 column 1, line 7 - line 32 column 8, line 7 - column 10, line 25 -----	2,10-12

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### Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple Inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-16

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16

Route guidance system comprising an in-vehicle device, having a visual display and an audio emitter, and a route advisory center transmitting the optimal route to the in-vehicle device in response to a request from the user to a human operator in the route advisory center.

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2. claim: 17

Route guidance system comprising an in-vehicle device and a route advisory center transmitting to the in-vehicle device an optimal route determined using real-time and historical traffic data together with archive data acquired from non-monitored routes.

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3. claims: 18-20

Route guidance system comprising an in-vehicle device and a route advisory center transmitting to the in-vehicle device an optimal route calculated using a traffic forecasting model.

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4. claims: 21,22

Route guidance system comprising an in-vehicle device and a route advisory center transmitting to the in-vehicle device an optimal route calculated taking into account the previous travelling direction of the vehicle.

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5. claims: 23-28

Route guidance method comprising the step of associating flags with route key-points established along an optimal route and the step of providing instructions to the user as the vehicle approaches the route key-points.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004514

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2385223	A	13-08-2003	DE 10206228 A1	04-09-2003
			JP 2003254769 A	10-09-2003
			US 6681179 B1	20-01-2004
EP 1262936	A1	04-12-2002	US 2003216859 A1	20-11-2003
EP 0827125	A2	04-03-1998	DE 69731860 D1	13-01-2005
			JP 10122890 A	15-05-1998
			KR 269070 B1	16-10-2000
			US 6076041 A	13-06-2000
US 5422812	A	06-06-1995	DE 3822222 A1	04-01-1990
			DE 3905493 A1	30-08-1990
			DE 3519276 A1	04-12-1986
			WO 9000262 A1	11-01-1990
			EP 0423144 A1	24-04-1991
			JP 3505489 T	28-11-1991
			US 5566025 A	15-10-1996
			US 5552935 A	03-09-1996
			AU 584192 B2	18-05-1989
			AU 5691486 A	24-12-1986
			DE 3672494 D1	09-08-1990
			WO 8607143 A1	04-12-1986
			EP 0262122 A1	06-04-1988
			JP 62503050 T	03-12-1987
			US 4888699 A	19-12-1989
EP 0875729	A2	04-11-1998	JP 3492145 B2	03-02-2004
			JP 10301484 A	13-11-1998